**AMENDMENTS TO THE CLAIMS:**

Please cancel claims 22 and 23 without prejudice.

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (*Previously Presented*) A micro-fabricated chromatographic system, said system comprising:

a transport channel including at least one fluid inlet and a separation channel; and

an evaporator including at least one evaporator channel arranged to receive fluid, each evaporator channel having at least one open fluid outlet operable to evaporate fluid at the at least one fluid outlet so as to cause the flow of fluid through the transport channel.

2. (*Cancelled*).

3. (*Previously Presented*) The system as claimed in claim 1, wherein the evaporator includes a gas conditioner for conditioning the gas at the at least one fluid outlet.

4. *(Previously Presented)* The system as claimed in claim 3, wherein the gas conditioner comprises a gas flow unit for maintaining a gas flow over the at least one fluid outlet.

5. *(Previously Presented)* The system as claimed in claim 1, wherein the evaporator includes a heater for raising the temperature at the at least one fluid outlet.

6. *(Previously Presented)* The system as claimed in claim 1, wherein the evaporator includes a cooler for controlling the temperature at the at least one fluid outlet.

7. *(Previously Presented)* The system as claimed in claim 1, wherein the evaporator includes a plurality of fluid outlets.

8. *(Previously Presented)* The system as claimed in claim 1, wherein at least one of the at least one channel of the evaporator is branched.

9. *(Previously Presented)* The system as claimed in claim 1, wherein the evaporator includes a plurality of channels.

10. *(Previously Presented)* The system as claimed in claim 1, wherein the transport channel has a width of less than 20 micrometers.

11. *(Previously Presented)* The system as claimed in claim 1, wherein the transport channel has a depth of less than 20 micrometers.

12. *(Previously Presented)* The system as claimed in claim 1, wherein the fluid transport system acts on a fluid comprising an operating fluid.

13. *(Previously Presented)* The system as claimed in claim 12, wherein the operating fluid comprises water.

14. *(Previously Presented)* The system as claimed in claim 12, wherein the operating fluid comprises acetonitrile, methanol, standard mixtures for chromatographic systems or organic solvents.

15. *(Previously Presented)* The system as claimed in claim 1 comprising two plates between which said transport channel and said evaporator channel are formed.

16. *(Previously Presented)* The system as claimed in claim 15, wherein at least one of said plates is formed of one of glass silicon, poly-di-methyl-siloxane and other polymeric material.

17. *(Previously Presented)* A high pressure liquid chromatography (HPLC) apparatus comprises the transport system of claim 1.

18. *(Original)* The high pressure liquid chromatography (HPLC) apparatus of claim 17, wherein the HPLC apparatus is an open tubular HPLC system.

19. *(Original)* The high pressure liquid chromatography (HPLC) apparatus of claim 17, wherein the HPLC apparatus contains a packed bed.

20. *(Original)* The high pressure liquid chromatography (HPLC) apparatus of claim 17, wherein the HPLC apparatus contains a porous monolith.

21. *(Cancelled).*

22. *(Cancelled).*

23. *(Cancelled).*